received 9/20/91

AUGUST
MONTHLY PROJECT STATUS REPORT
FOR
FORMER HEXCEL INDUSTRIAL CHEMICALS FACILITY

Lodi Borough, Bergen County
Lodi, New Jersey

ECRA Case #86009

Submitted to:

New Jersey Department of Environmental Protection
401 East State Street, 5th Floor
Trenton, New Jersey 08625

Prepared by:

Heritage Remediation/Engineering, Inc.
5656 Opportunity Drive
Toledo, Ohio 43612

September 19, 1991

91RB4112.T1

HERITAGE REMEDIATION/ENGINEERING, INC.

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September 19, 1991

Mr. Gary Sanderson
Case Manager
Bureau of ECRA
NEW JERSEY DEPARTMENT of ENVIRONMENTAL PROTECTION
401 E. State St.
5th Floor
Trenton, N.J. 08625

RE: August Monthly Project Status Report
Former HEXCEL CORP. Site
205 Main Street, Lodi Borough
Bergen County, NJ
ECRA Case No. 86009
HR/E Project No. 60027

Dear Mr. Sanderson:

On behalf of HEXCEL CORPORATION, Heritage Remediation/Engineering, Inc. (HR/E) has prepared this monthly status report of remedial activities performed at the above reference site. This report is in partial fulfillment of paragraph 36 of the conditional approval letter requiring the submittal of a monthly status report and describes activities performed over the period from August 1, 1991 to September 1, 1991. This report also addresses where appropriate comments to the July 12, 1991 letter from the Bureau of Environmental Evaluation and Cleanup Responsibility Assessment (Bureau).

Our meeting on August 29, 1991 with you and with Case Geologist Ms. Beverly Phillips seemed beneficial and a good introduction to the status of the cleanup. As you could see, Hexcel has been faithful to spirit of the requirements of the Bureau. Admittedly, there is

much work yet to be done and the current business recession has taken its toll on Hexcel. Consequently, Hexcel needs to be certain that the cleanup dollars are going towards effective remedial strategies rather than refinement of the site characterization. In this light, we appreciate your willingness to review and reconsider some of the items of the Bureau's letter delivered on July 12, 1991. We understand that some of the items pertain to ground water issues will be evaluated by Ms. Phillips. Other items pertain to the unsaturated zone and therefore will be evaluated by Mr. Brian Sogorka.

We have responded to all of the items in the July 12, 1991 letter, though not all of the requirements have been completed, some of which are pending consideration by Bev or Brian. Since some items are being addressed by HR/E and by ENVIRON, Hexcel's consultant, this report contains, as a major attachment, items discussed by ENVIRON. Material supplied by ENVIRON are included as enclosures in Appendix A. As a point of clarification, we reference enumerated items from the July 12, 1991 letter and item numbers from the August 9, 1990 letter.

A - SOILS

ITEM 1.a Addressed in Hexcel August 9, 1991 letter and presented in Appendix A as ENVIRON enclosure A.

ITEM 1.b No response required.

ITEM 1.c Our response is attached as Appendix B.

ITEM 1.d Addressed in Hexcel August 9, 1991 letter and presented in Appendix A as ENVIRON enclosure A.

ITEM 1.e Addressed in Hexcel August 9, 1991 letter and presented in Appendix A as ENVIRON enclosure A.

ITEM 2.a Addressed in Hexcel August 9, 1991 letter and presented in Appendix A as ENVIRON enclosure A.

ITEM 2.b.i No response required.

ITEM 2.b.ii Addressed in Hexcel August 9, 1991 letter and presented in Appendix A as

ENVIRON enclosure D.

ITEM 3. No response required.

ITEM 4. Addressed in Hexcel August 9, 1991 letter and presented in Appendix A as ENVIRON enclosure B.

ITEM 5. Our response is attached as Appendix C.

ITEM 6. A proposal for a pilot soil vapor extraction project for remediation of organic vapors in the vadose zone is being prepared and will be submitted as part of the September monthly status report. Based on our site meeting, we will be proposing that the pilot test be conducted in the vicinity of recovery wells RW7-1 and RW7-5. This is the location of DNAPLs and it is preferred due to the presence of DNAPLs, the potential for dewatering which will maximize exposure of contaminated soils, and the proximity to the catalytic incinerator for treatment of off-gases.

B - GROUND WATER

ITEM 1. Addressed in ENVIRON letter of September 12, 1991 and presented in Appendix A.

ITEM 2. Addressed in Hexcel August 9, 1991 letter and presented in Appendix A.

ITEM 3. Addressed in Hexcel August 9, 1991 letter and presented in Appendix A.

ITEM 4. Addressed in Hexcel August 9, 1991 letter and presented in Appendix A.

ITEM 5.a Addressed in the Hexcel letter of August 9, 1991 and the ENVIRON letter of September 12, 1991 letter and presented in Appendix A as ENVIRON enclosure E.

ITEM 5.b Addressed in Hexcel August 9, 1991 letter and presented in Appendix A.

ITEM 5.c Addressed in Hexcel August 9, 1991 letter and presented in Appendix A.

ITEM 5.d Addressed in the Hexcel letter of August 9, 1991 and the ENVIRON letter of September 12, 1991 letter and presented in Appendix A as ENVIRON enclosure E.

ITEM 5.e Cross-sections have been prepared and are presented in Appendix D.

ITEM 5.f Status of investigation and remediation are presented below according to the requested heading.

Lower Overburden Aquifer

Water levels have been collected periodically from selected wells in the lower overburden aquifer. Water-level data have been presented in monthly status reports. In addition, two deep monitoring wells, 7 and 13 were recorded on a frequent basis during the pumping test of recovery well 7-5. Hydrographs showing an upward gradient from the lower overburden aquifer to the upper overburden aquifer is presented in the July update report as Figure 2. A proposal has been submitted to Hexcel to further characterize the lower overburden aquifer (Appendix E).

Bedrock Aquifer

A proposal has been submitted to Hexcel to further characterize the bedrock aquifer (attached as Appendix E).

Bedrock Supply Well

Further investigation is planned as is discussed regarding the bedrock aquifer and in response to item 5.g below.

ITEM 5.g A proposal has been submitted to Hexcel for evaluation of the bedrock aquifer (Appendix E). As per NJDEP's July 12, 1991 letter, packer tests will be performed to obtain water samples from the facility's production well (PW-1) at various depths. We propose utilization of inflatable packers to isolate productive zones within the open bore hole of the well. According to the geophysical logs, it appears these productive zones occur at 60-68 feet, 122-130 feet and 194-208 feet. Static water level and typical pumping water level will be assessed during the packer testing and sampling. Water samples will be collected from each of three discrete productive zones and from the entire well column for VO+15 analysis using Method 624. In addition, a field and trip blank will be obtained for Quality Assurance/Quality Control, plus a tap

sample will be obtained for metals and cation/anion analysis for PVSC requirements. The cost estimate has been based on three days work. Should the test become extended beyond the estimated three days, there will be an additional charges. Daily progress reports will be submitted to Hexcel presenting current status.

ITEM 5.h Addressed in ENVIRON letter of September 12, 1991 and presented in Appendix A.

ITEM 5.i The Table of Monitor Well Specifications has been revised as requested and is presented in Appendix F.

REPORT OF OTHER SITE ACTIVITIES

Treatment of Water

Approximately 1,700 gallons of basement water seepage has been treated and 3,700 gallons treated water was discharged this month. The seepage consists of ground water, DNAPLs, and LNAPLs which is routed to the basement sump/pump and then transferred into the oil/water separator. This method recovers ground water, DNAPLs, and LNAPLs. A report of water disposal, as submitted to Fine Organics Corp., is presented as Appendix G.

LNAPL Thicknesses

Measurements for LNAPL were performed in the following wells on August 29, 1991:

WELL NO.	DEPTH TO WATER (ft)	DEPTH TO PRODUCT(ft)	LNAPL THICKNESS (ft)
P-1	6.91	none	0
P-2	7.74	7.36	0.38
RW15-1	7.39	none	0
RW15-2	pump	pump	none observed on pump
CW-7	9.46	7.32	2.14

Disposal of DNAPL

On August 28, 1991, 372 gallons of DNAPL were shipped by S-J Transportation Company to Rollins Environmental Services, Inc., Route 322 Bridgeport, New Jersey for appropriate disposal by incineration. Manifests are presented as Appendix H.

DNAPL Recovery System

The DNAPL recovery system was operational during the month of August 1991 on a continuous basis. Discharge was to a 55-gallon drum equipped with a high level

shut-off. A mixture of water and DNAPL was recovered (emulsion) which filled the drum and shut the system off. Inspection of the contents revealed approximately 20 gallons of DNAPL recovered this month. To date, approximately 1220 gallons of DNAPLs have been recovered. A reported in the April 1991 Update Report approximately 850 gallons of DNAPLs were transported off site. This month approximately 372 gallons were transported to Rollins Environmental Services, Inc. (see Appendix H). The total amount of DNAPLs disposed to date is 1,222 gallons according to the manifests.

Assessment of Drying Room -Building 1

Chip samples from the wall and floor were collected in August and will be reported in the October 1991 Update Report.

Status of Permits

We have prepared a table listing all site permits and their status. This table is presented as Appendix I.

Schedule Update

The attached schedule (Table 1) summarizes the projected timetable of tasks for the current year.

Should you have any questions or concerns regarding this report, please do not hesitate to call.

Respectfully,
Heritage Remediation/Engineering, Inc.

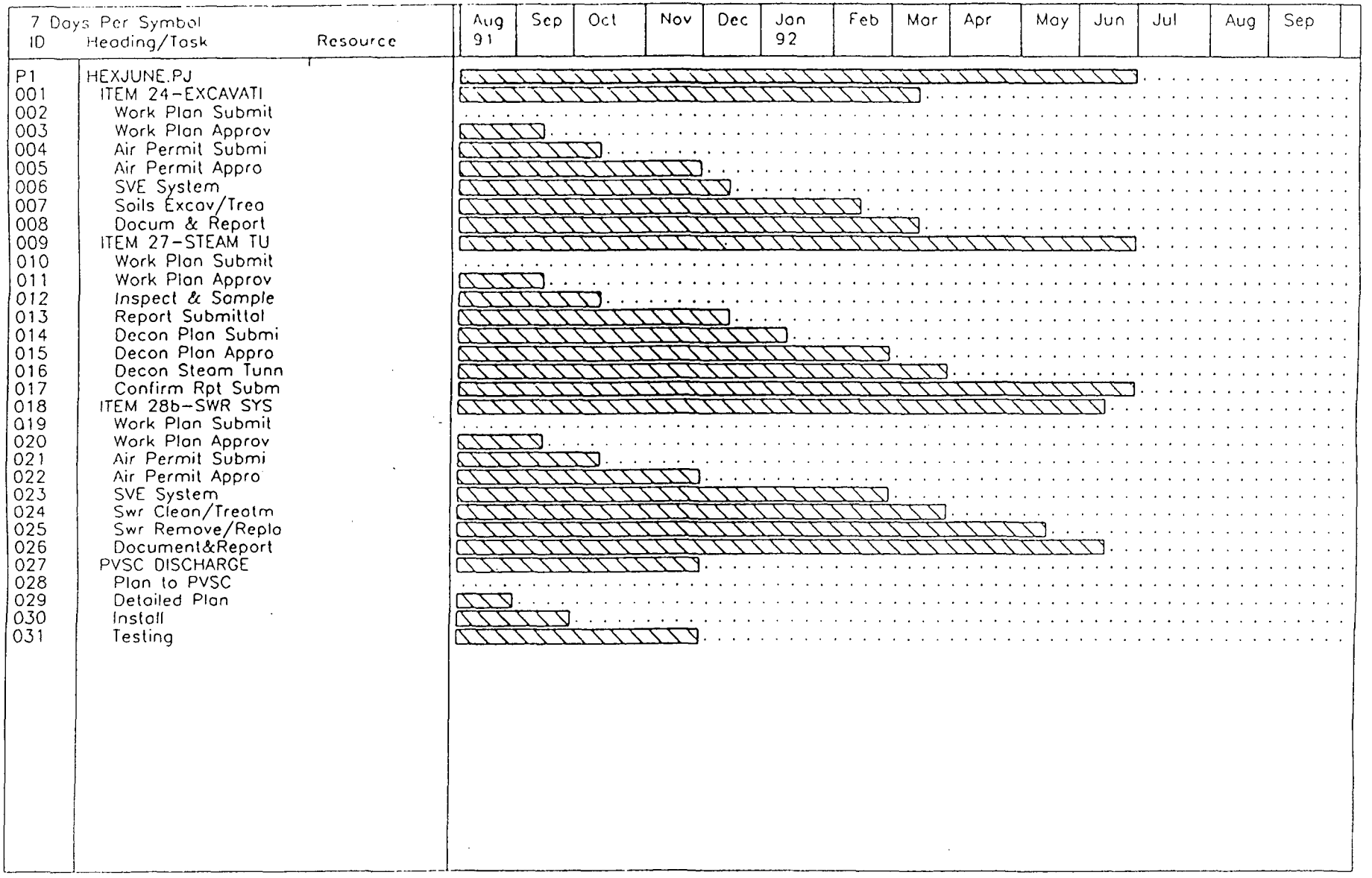
Robert R. Beckwith, CPG
Senior Hydrogeologist

Attachments

cc: A. William Nosil
Renee van de Griend
James Higdon
Jeff Stevens

Task Gantt

Project: HEXJUNE.PJ
07-23-91



Critical
Non Critical
Assigned
Milestone
Unassigned
Float/Delay
Finish Delay
Free Float
Planned
Actual